

Title (en)
FIBROUS STRUCTURE

Title (de)
FASERGEBILDE

Title (fr)
STRUCTURE FIBREUSE

Publication
EP 1978151 A4 20110330 (EN)

Application
EP 07706744 A 20070115

Priority

- JP 2007050410 W 20070115
- JP 2006009667 A 20060118
- JP 2006154361 A 20060602

Abstract (en)
[origin: EP1978151A1] [Problem to be solved] To stably supply a fiber structure having excellent washing durability, water/oil repellency and antifouling properties. [Solution] A fiber structure characterized in that each of the single fibers used in it is covered, on the surface thereof, with a resin film containing an organic fluorochemicals via a resin film containing a triazine ring-containing compound or containing an organic fluorochemicals and a triazine ring-containing compound, and that said fiber structure has a water repellency level of grade 4 or higher and an oil repellency level of grade 4 or higher after 20 times of washing.

IPC 8 full level
D06M 13/355 (2006.01); **A41D 7/00** (2006.01); **D06M 15/277** (2006.01); **D06M 15/423** (2006.01)

CPC (source: EP US)
D06M 13/355 (2013.01 - EP US); **D06M 13/358** (2013.01 - EP US); **D06M 15/277** (2013.01 - EP US); **D06M 15/423** (2013.01 - EP US); **D06M 2200/11** (2013.01 - EP US); **D06M 2200/12** (2013.01 - EP US); **Y10T 428/2938** (2015.01 - EP US)

Citation (search report)

- [X] US 3087905 A 19630430 - FLUCK LINTON A
- [X] GB 2291439 A 19960124 - SECR DEFENCE [GB]
- [X] DATABASE WPI Week 199731, Derwent World Patents Index; AN 1997-337464, XP002623441
- See references of WO 2007083596A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1978151 A1 20081008; **EP 1978151 A4 20110330**; JP WO2007083596 A1 20090611; US 2010192272 A1 20100805; WO 2007083596 A1 20070726

DOCDB simple family (application)
EP 07706744 A 20070115; JP 2007050410 W 20070115; JP 2007508200 A 20070115; US 16094407 A 20070115